

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/000607

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H01L 21/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L 21/00, H01L 21/301, H01L 21/66, H01L 21/82,

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean patent/utility model and application for invention/utility model since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR10-1994-0011133 B1 (Sam Sung) 25, Oct, 1999 See the whole document	1-7
A	KR 10-1998-0014309 A (FUTABA CORP) 25, Nov, 1998 See the whole document	1-7
A	JP 15-077860 A1 (DISCO CORPORATION) 14, Mar, 2003 See the whole document	1-7
A	US 6465158 B1 (DISCO CORPORATION) 15, Oct, 2002 See The abstract and Fig 1	1-7
A	US 6638791 BB (INTERCON TECHNOLOGY, INC) 28, Oct, 2003 See the whole document	1-7

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

14 JULY 2004 (14.07.2004)

Date of mailing of the international search report

15 JULY 2004 (15.07.2004)

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-1994-0011133 B1	25.10.1999	None	
KR 10-1998-0014309 A	25.11.1998	JP9-104617	22.04.1997
JP 15-077860 A1	14.03.2003	US2003102557	05.07.2003
US 6465158 B1	15.10.2002	JP13-127011	11.05.2001
US 6638791 B8	28.10.2003	EP942458	15.09.1999